

1/15

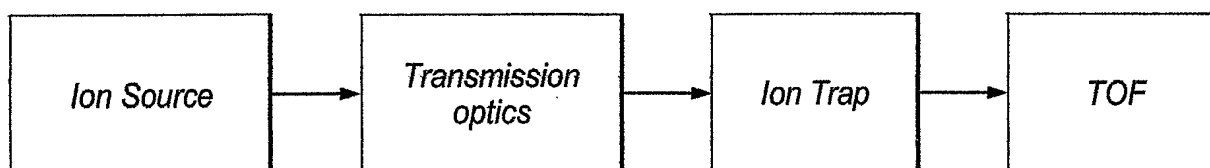


Fig.1

2/15

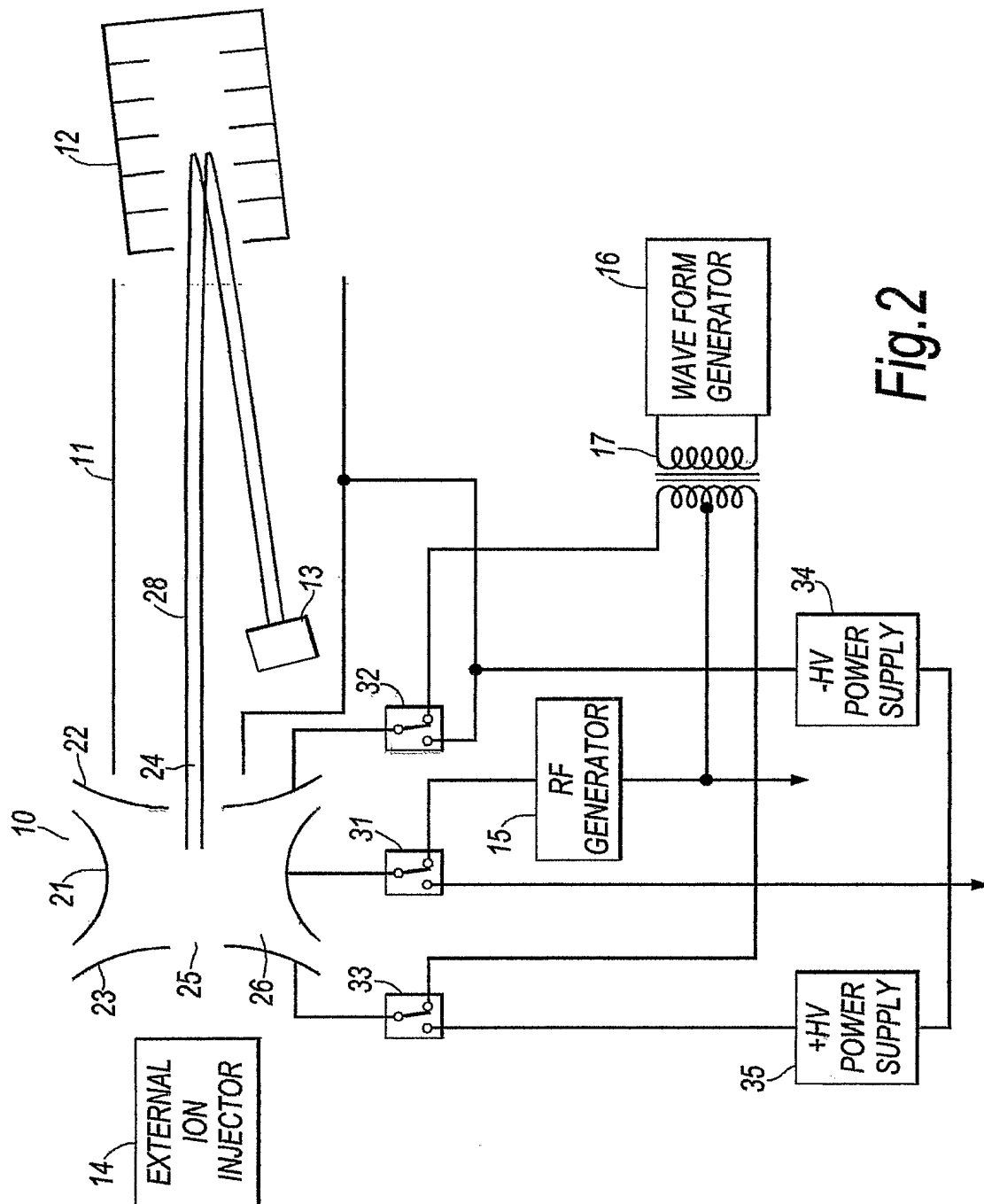


Fig.2

3/15

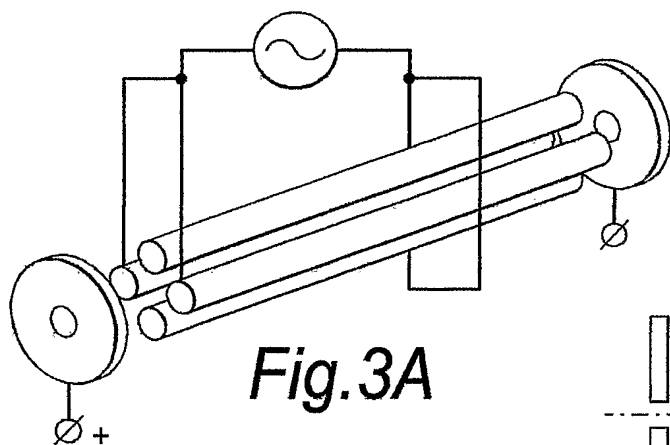


Fig. 3A

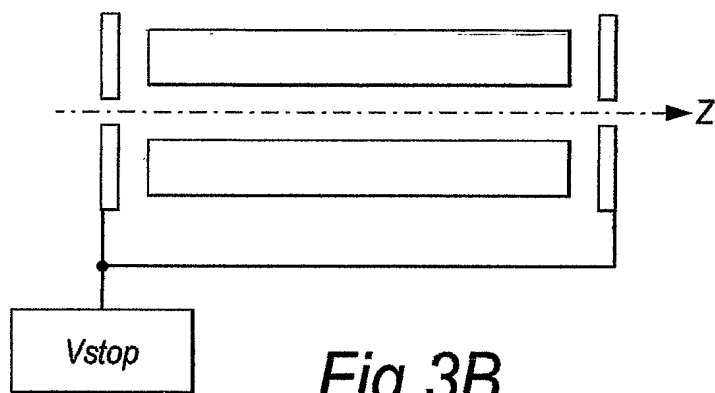


Fig. 3B

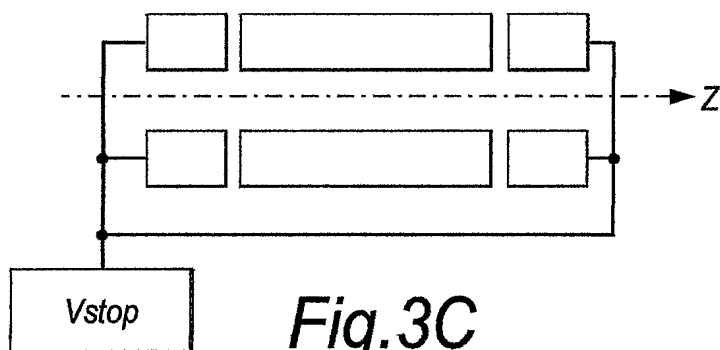


Fig. 3C

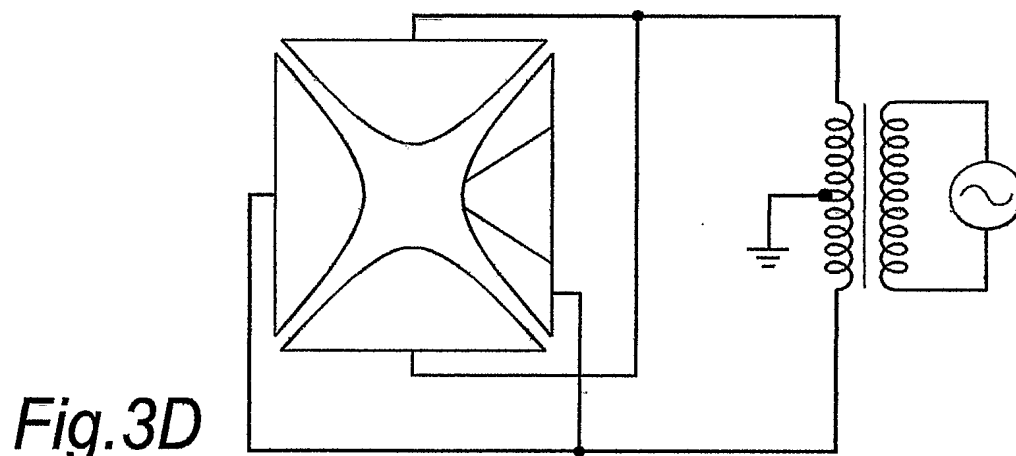
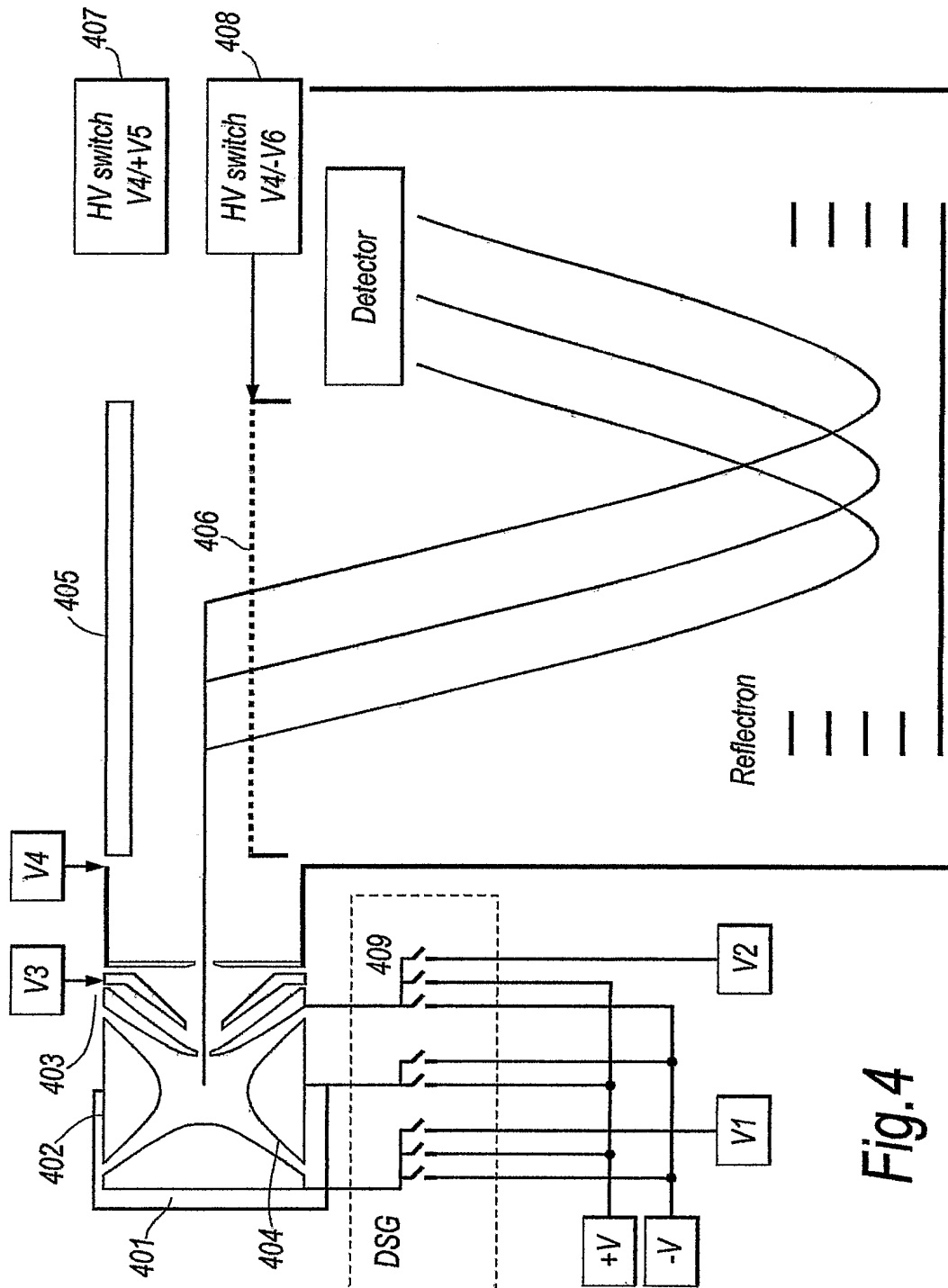
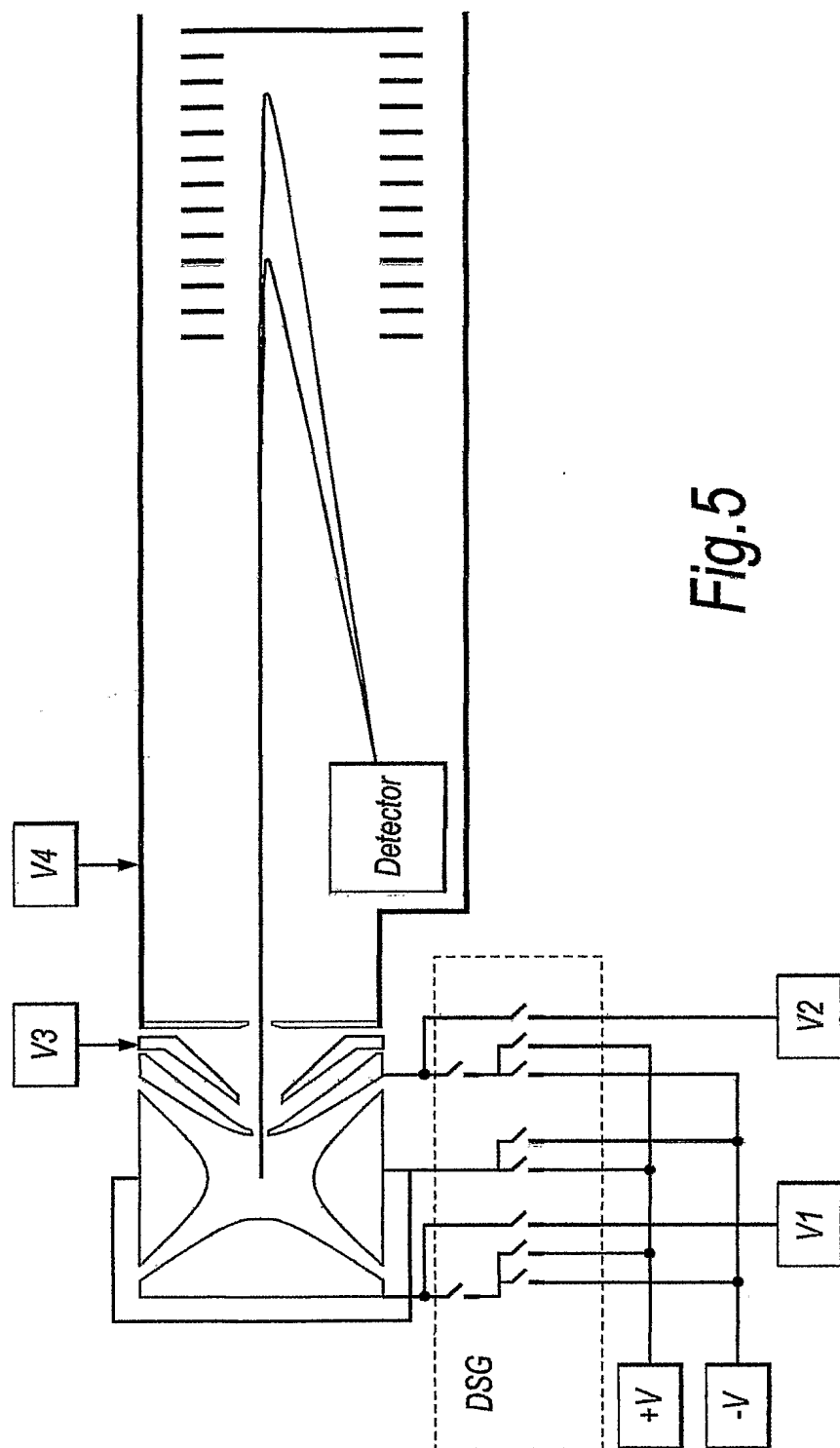


Fig. 3D

4/15



5/15



6/15

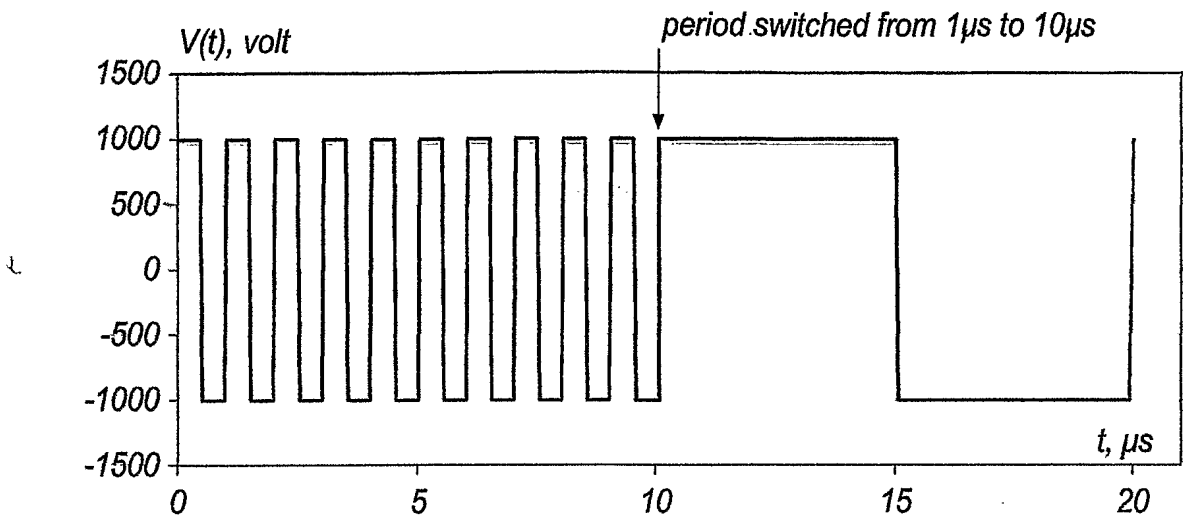


Fig.6

		" trap +"	" trap -"	" eject "
	Y electrodes	+V	-V	-V
	X left	-V	+V	+V1
	X right	-V	+V	+V2

Fig.7

7/15

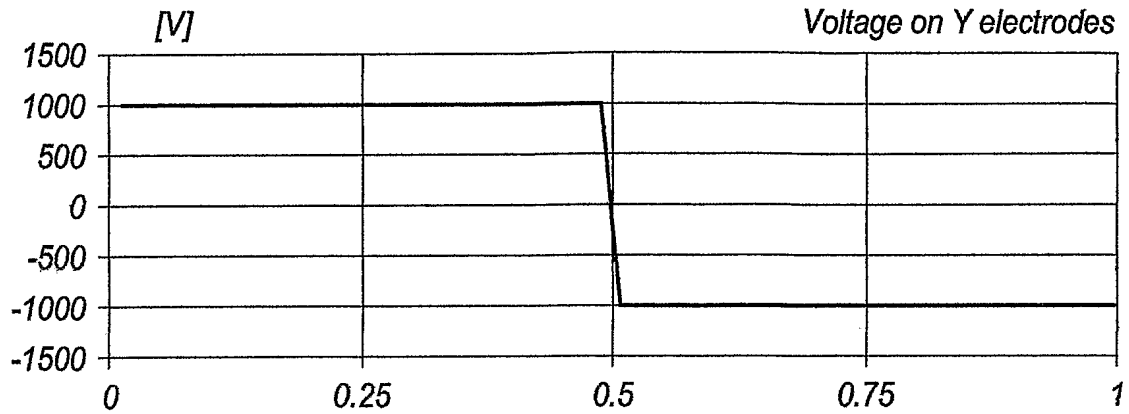
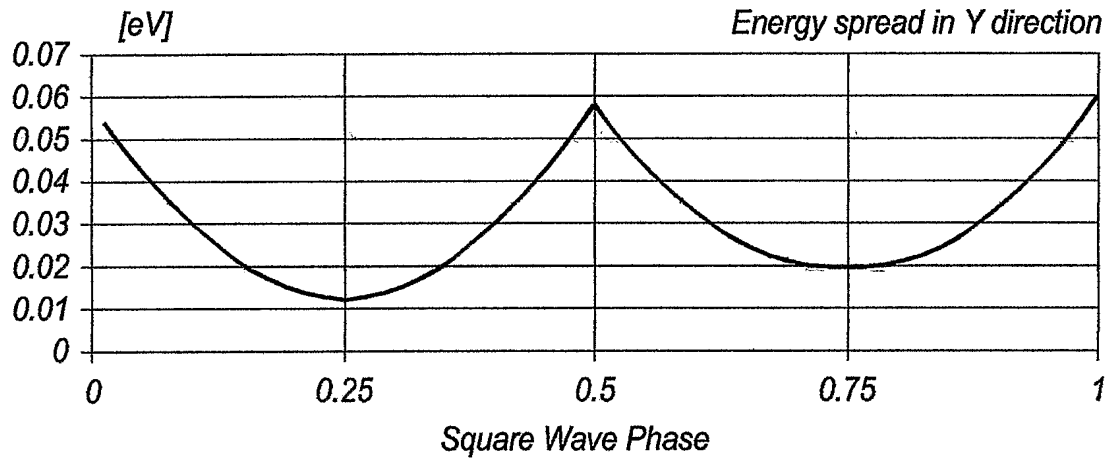
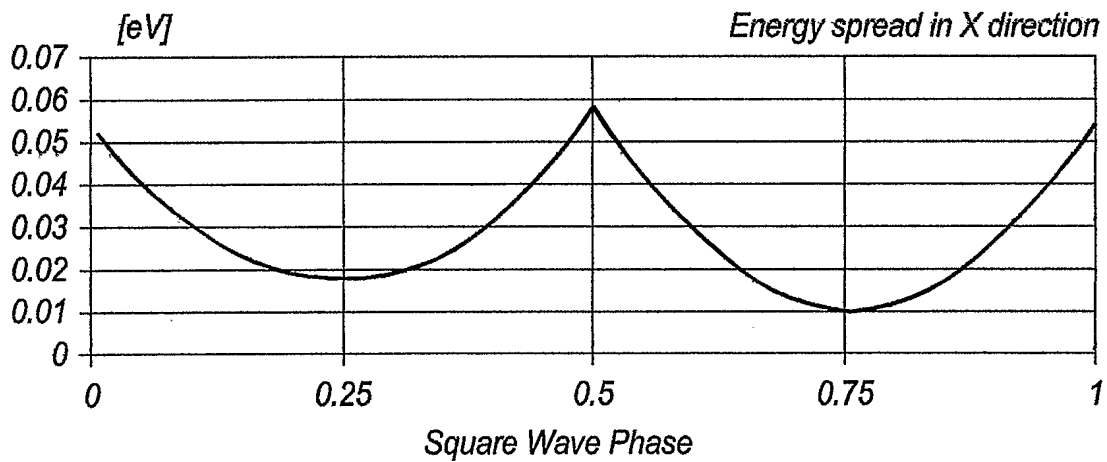


Fig. 8A



Square Wave Phase

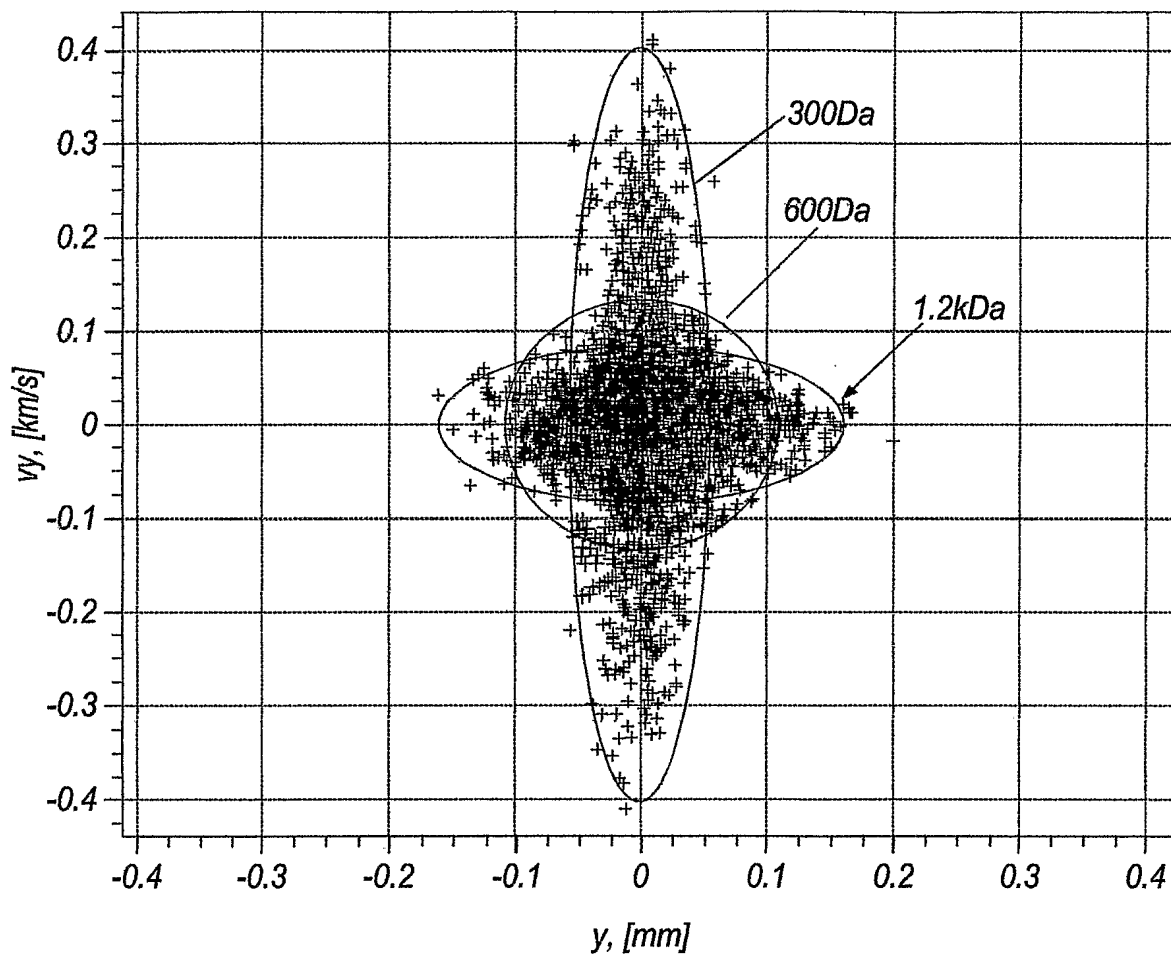
Fig. 8B



Square Wave Phase

Fig. 8C

8/15

*Fig.9*

9/15

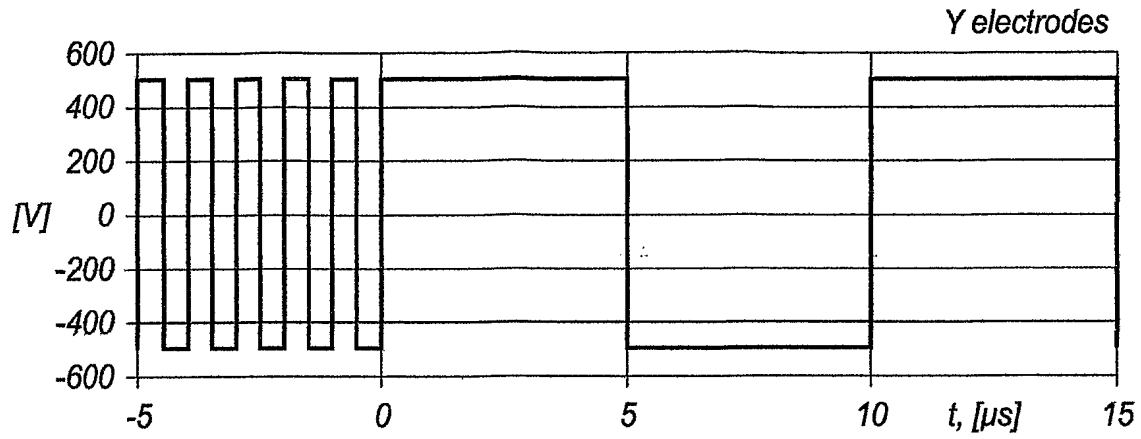


Fig. 10A

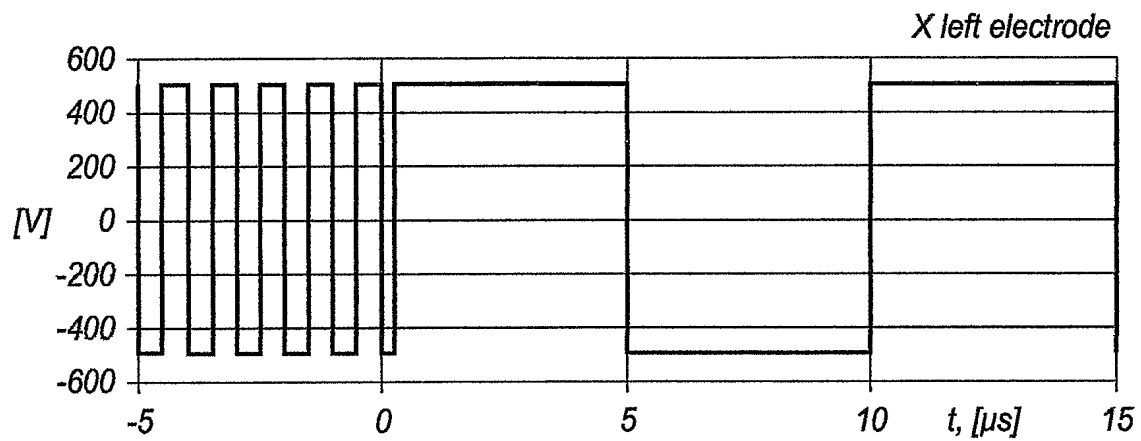


Fig. 10B

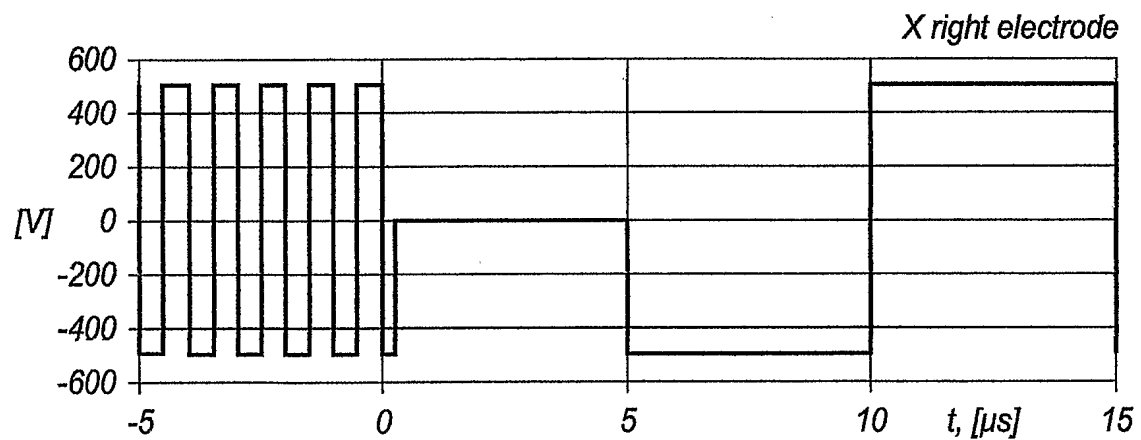


Fig. 10c

10/15

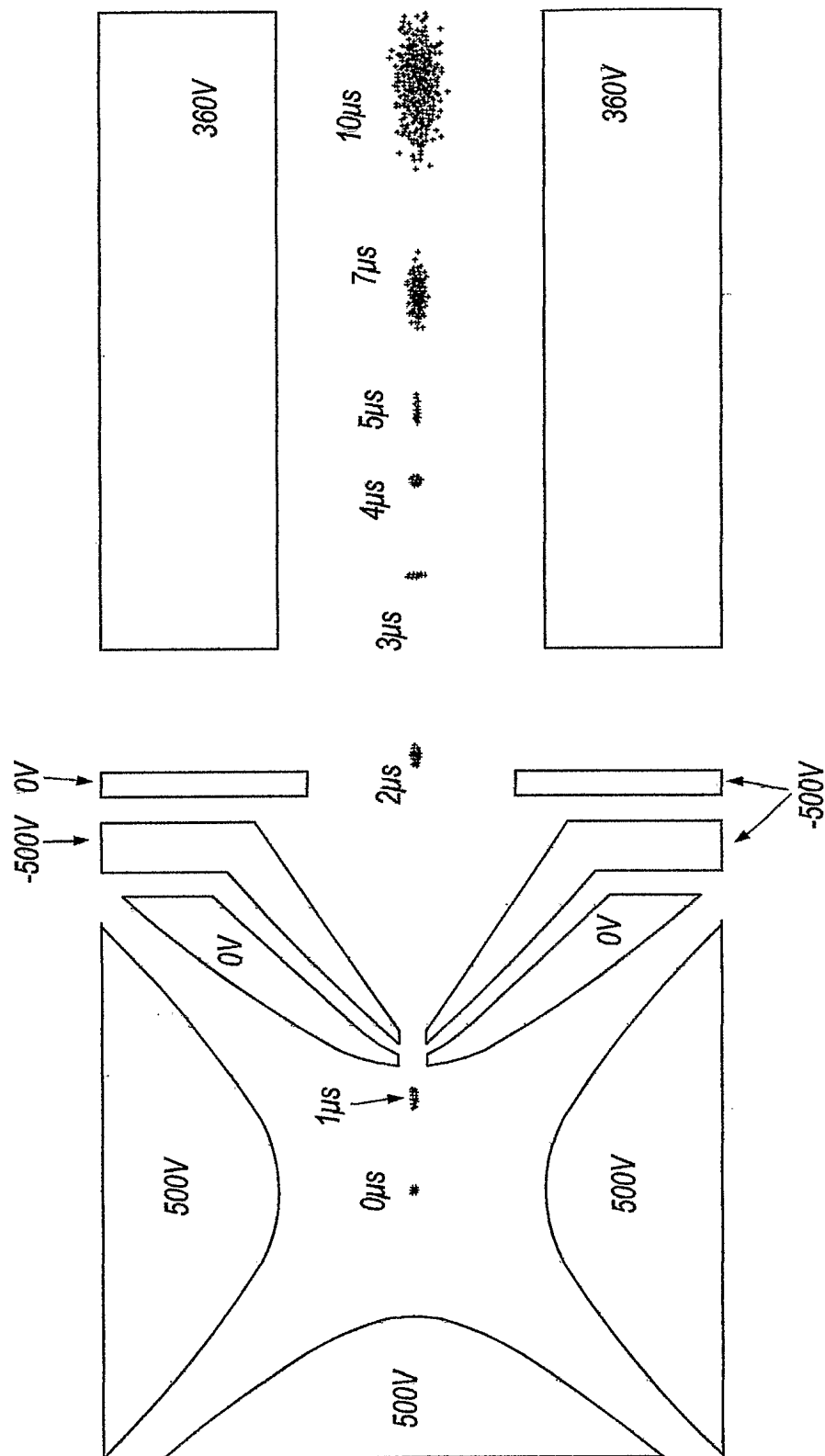


Fig.11

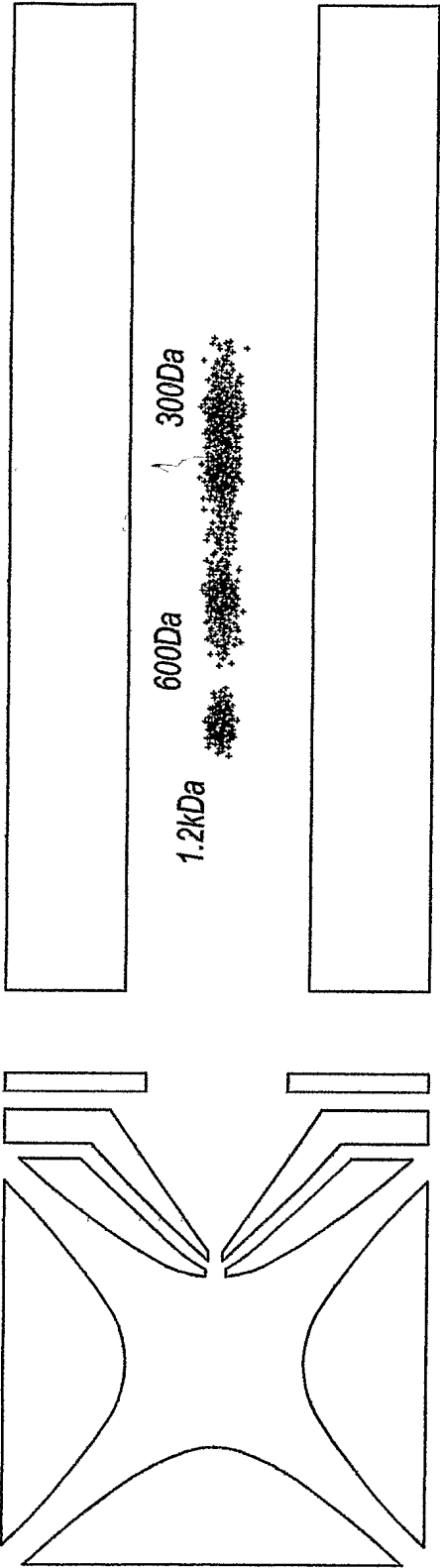


Fig.12

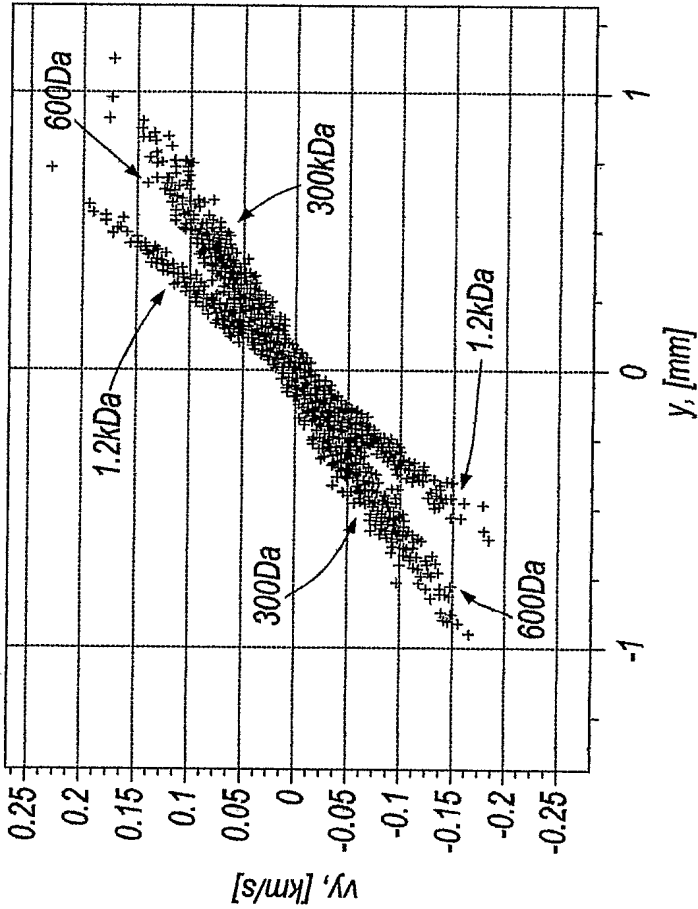


Fig.13

12/15

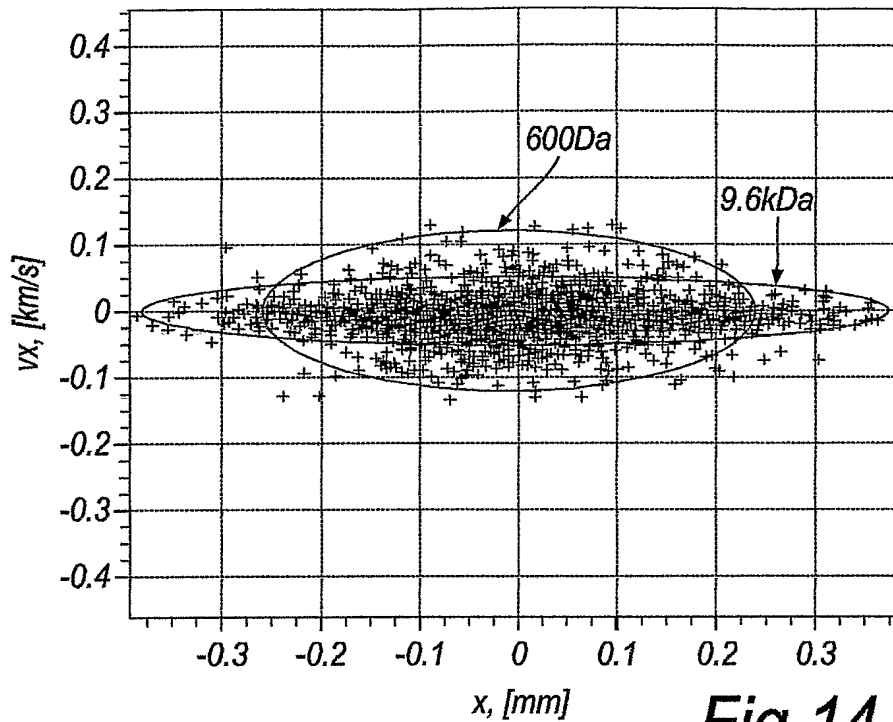


Fig. 14

$X = 22.737 \pm 0.0125 \text{ r.m.s. [mm]}$
 $V_x = 53775.3 \pm 355.68 \text{ r.m.s. [m/s]}$

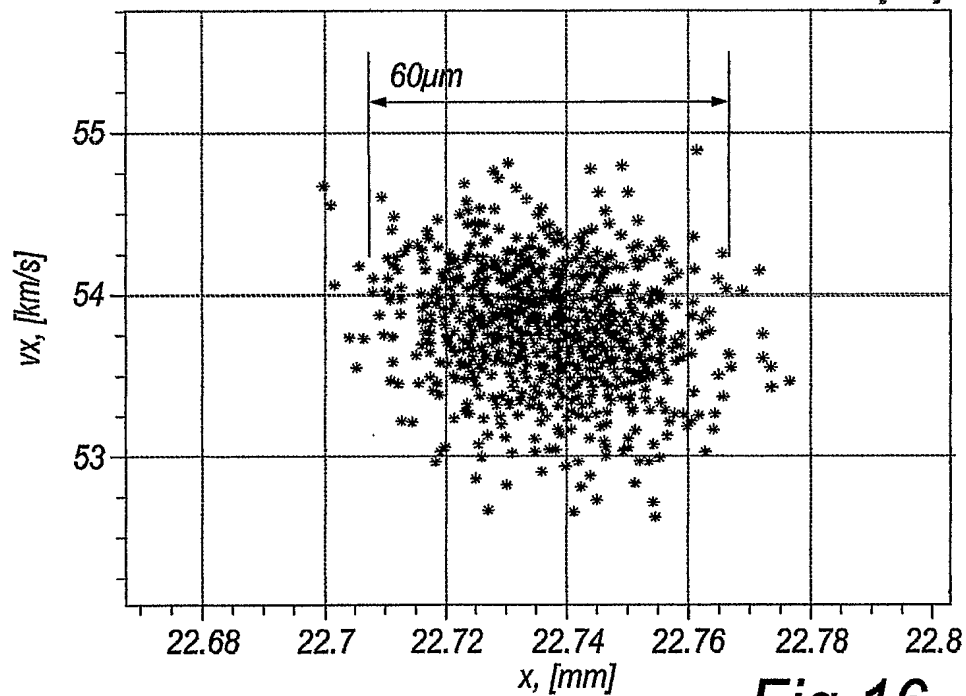


Fig. 16

13/15

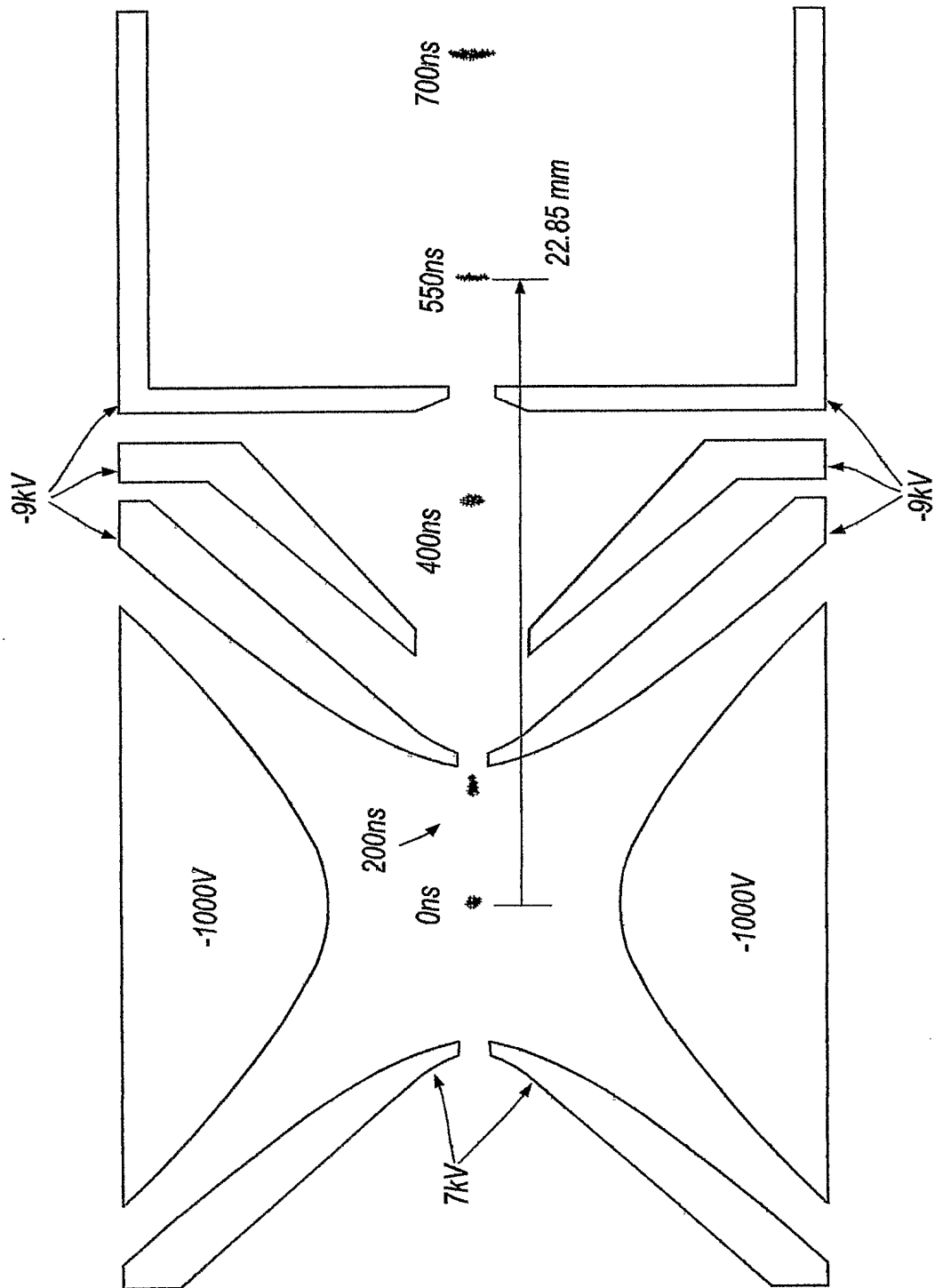


Fig.15

14/15

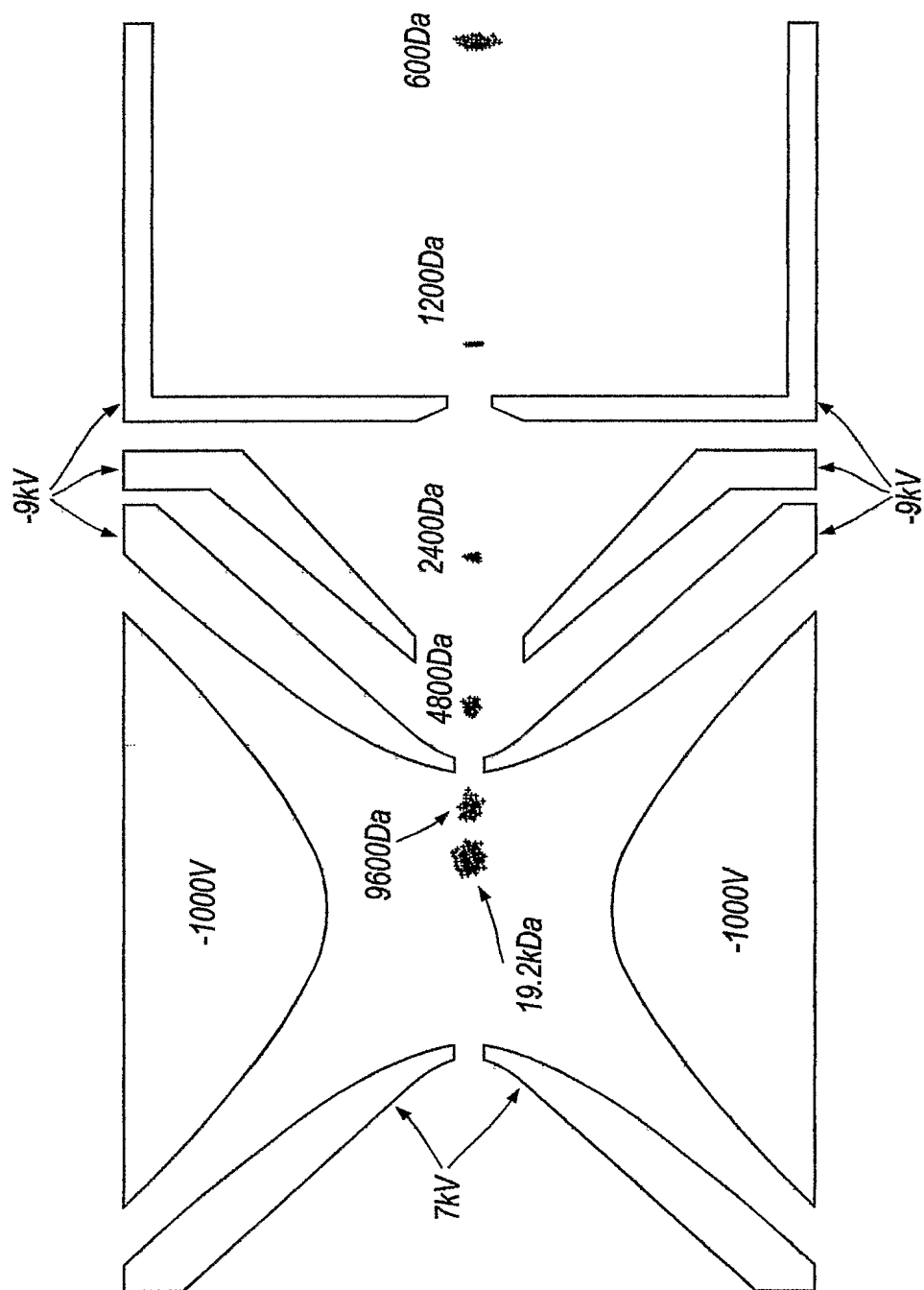


Fig.17

15/15

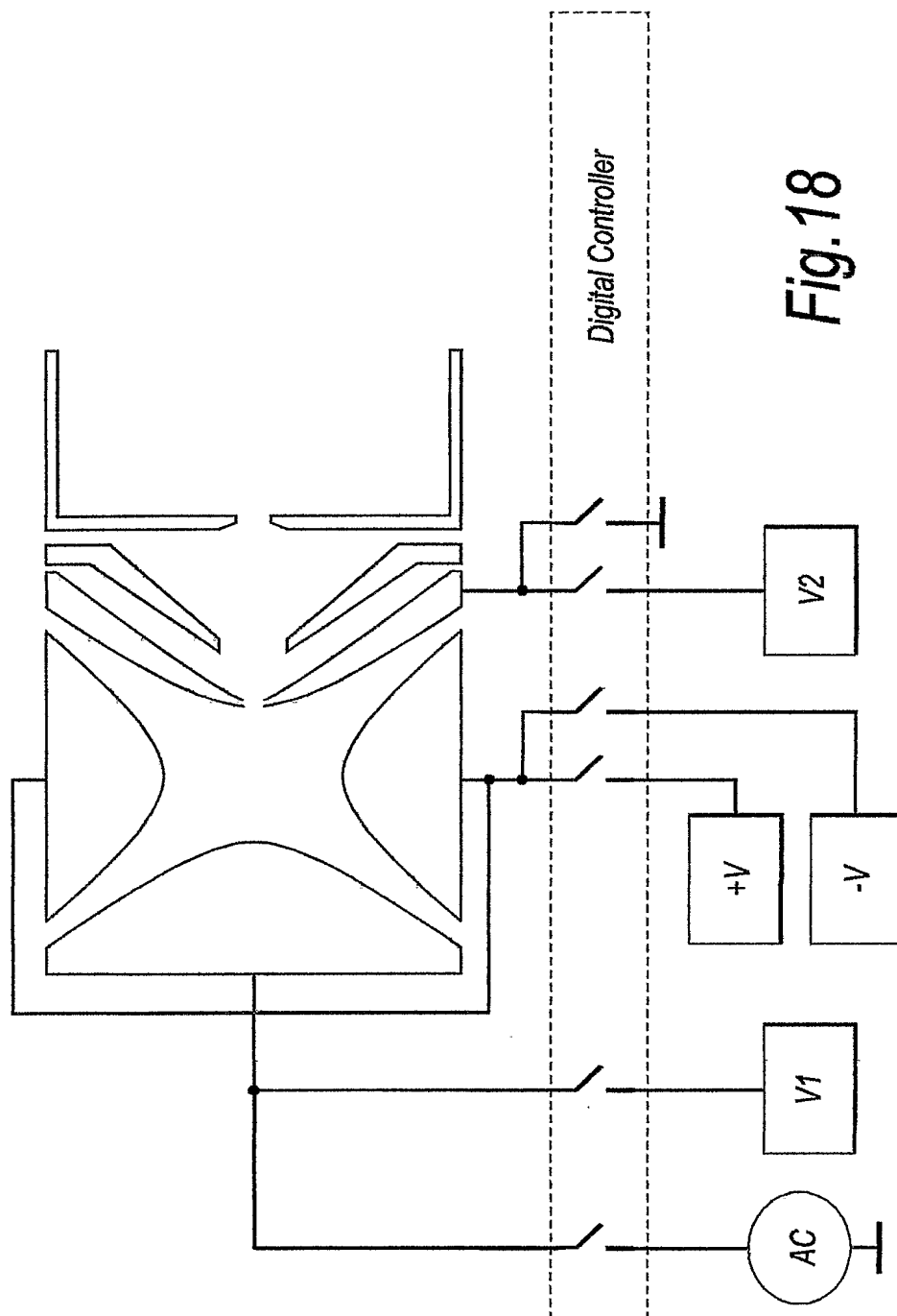


Fig. 18